

DESCRIPTION:	12 Monthly Zone 3 Lubrication and Service	FREQUENCY:	12 Months
LOCATION:	Carole Park Sewerage Treatment Plant	STANDARD JOB No.:	LTS321

	Spare Parts/Materials List
	Shell Gadus S2 general purpose high pressure
	Castrol Alpha SP220
С	Castrol Alpha SP320
R	Reference
F	follow correct shut down procedures before working on any equipment.
V	faintenance Group
S	Secondary Settling Tank 4
S	Secondary Settling Tank 5
F	low Splitter 3
A	eration Blowers
F	Flow Splitter 2
A	noxic & Aerobic Tank No.1
A	noxic & Aerobic Tank No.2
P	Procedural Steps
В	Before isolating any equipment, where possible observe in running condition. Check for correct operati
S	Secondary Settling Tank 4
С	Check Drive gearbox unit for leaks / noise / vibration
С	Check Drive Wheel and idle wheel for bearing noise / de-lamination
	Check Centre Column Bearing for noise / vibration
С	Check Grease lines and grease nipples for defects.
	Grease centre column bearing.
G	Grease each Updraught Tube Spindle top and bottom
G	Grease bearings on Drive Wheel and Trail Wheel
S	solate bridge and perform lube maintenance:
R	Replace oil in bridge drive gearboxes with Alpha SP320. D81 Unit takes 3.35 litres & Z40 Unit takes 1.1 litres
Ji	ack up bridge and check wheel bearings (and wheel) for play on shaft.

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Secondary Se	ttling Tank 5		
Check Drive ge	earbox unit for leaks / noise / vibration		
Check Drive Wheel and idle wheel for bearing noise / de-lamination			
Check Centre (Column Bearing for noise / vibration		
Check Grease	lines and grease nipples for defects.		
Grease centre	column bearing.		
Grease each U	Ipdraught Tube Spindle top and bottom		
Grease bearing	gs on Drive Wheel and Trail Wheel		
Isolate bridge	and perform lube maintenance:		
Replace oil in b	oridge drive gearboxes with Alpha SP320. D81 Uni	t takes 3.35 litres & Z40 Unit ta	akes 1.1 litres
Jack up bridge	and check wheel bearings (and wheel) for play on	shaft.	
Inspect Gearm	otor Variator belt for cracking and wear.		
Inspect couplin	g drive for defects.		
Flow Splitter 3	}		
Check Penstoo	cks and support frames for defects		
Grease pensto	ck stem nuts. Shell Gadus S2 general purpose hig	h pressure	
Aeration Blow			
Grease motor l	bearings. Shell Gadus S2 general purpose high pre	essure	
	<u> </u>		
Flow Splitter N	No.2		
Check Penstoo	cks and support frames for defects		
Grease pensto	ck stem nuts. Shell Gadus S2 general purpose hig	h pressure	
Anoxic & Aero	obic Tank No.1		
Check Mixer U	nit No.1 for noise, leaks and vibration. Carry out oi	I change with Alpha SP220.	
	nit No.2 for noise, leaks and vibration. Carry out oi		
Check Mixer U purpose high p	nit No.3 for noise, leaks and vibration. Apply greas ressure	e to greasing points. Shell Gad	dus S2 general
Check Mixer U	nit No.4 for noise, leaks and vibration. Carry out oi	I change with Alpha SP220.	
Check Mixer U	nit No.5 for noise, leaks and vibration. Carry out oi	I change with Alpha SP220.	
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	Carole I ark be werage Treatment I fant	52121,51226 005 1,000	1 210321	
Anoxic & Aero	obic Tank No.2	<u> </u>		
Check Mixer U	ange with Alpha SP220.			
	heck Mixer Unit No.7 for noise, leaks and vibration. Carry out oil change with Alpha SP220.			
	nit No.8 for noise, leaks and vibration. Carry out oil ch			
	nit No.9 for noise, leaks and vibration. Carry out oil ch			
	to greasing points. Shell Ga	adus S2 general		
purpose high p	purpose high pressure			
	mp No.1 – Hire Crane Required			
Check for noise				
	lifting chain for defects.			
	and carry out oil change.			
Remove element from volute and check wear ring gap.				
Access condition	on of Impeller and internal housing.			
A-Recycle Pump No.2 – Hire Crane Required				
Check for noise	e and vibration.			
Check rail and	lifting chain for defects.			
Remove pump	and carry out oil change.			
Remove eleme	ent from volute and check wear ring gap.			
Access condition	on of Impeller and internal housing.			
A-Recycle Pur	mp No.3 – Hire Crane Required			
Check for noise	e and vibration.			
Check rail and	lifting chain for defects.			
	and carry out oil change.			
Remove eleme	ent from volute and check wear ring gap.			
Access condition	on of Impeller and internal housing.			
A-Recycle Pur	mp No.4 – Hire Crane Required			
Check for noise	e and vibration.			
Check rail and	lifting chain for defects.			
Remove pump	and carry out oil change.			
Remove eleme	ent from volute and check wear ring gap.			
Access condition	on of Impeller and internal housing.			

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